GOVERNMENT OF INDIA
CIVIL AVIATION
LOK SABHA

STARRED QUESTION NO:103
ANSWERED ON:22.07.2002
AIRBUS EQUIPPED WITH EGPWS
SUSHIL KUMAR SAMBHAJIRAO SHINDE;VILAS BABURAO MUTTEMWAR

Will the Minister of CIVIL AVIATION be pleased to state:

(a) whether the Airbus-320 operated by the Indian Airlines are proposed to be equipped with the latest version of the Enhanced Ground Proximity Warning System (EGPWS);

(b) if so, the time by which all the aircraft are likely to be equipped with EGPWS;

(c) the distinct advantages of EGPWS;

(d) whether the Airbus-320 being operated by the private airlines have also been directed to equip their aircraft with this system; and

(e) if so, the details thereof and their reaction thereto?

Answer

THE MINISTER OF CIVIL AVIATION (SHRI SYED SHAHNAWAZ HUSSAIN)

(a),(b),(c),(d) and (e): A statement is laid on the Table of the Sabha.

STATEMENT IN REPLY TO PARTS (a),(b),(c),(d) AND (e) OF LOK SABHA STARRED QUESTION NO.103 FOR ANSWER ON 22/7/2002 REGARDING AIRBUS EQUIPPED WITH EGPWS

(a) and (b): Yes, Sir. In accordance with standards laid down by International Civil Aviation Organisation (ICAO) for the operations of the aeroplanes, Enhanced Ground Proximity Warning System (EGPWS) are required to be installed before 1st January, 2003 on all turbine engined aeroplanes of maximum certified take off mass in excess of 15,000 kgs. or aeroplanes type certified to carry more than 30 passengers. Accordingly, Director General of Civil Aviation (DGCA) had issued Civil Aviation Requirements (CAR) to comply with ICAO standard by all affected airlines in India. Installation of EGPWS on Airbus A-320 fleet of Indian Airlines will be completed by 31.12.2002.

(c): EGPWS has added advantage of

• Providing a warning sixty seconds or more in advance, of a collision with terrain and thereby giving more reaction time to the pilot to take corrective action.

• Displaying the terrain in the flight path on a display screen in the cockpit in distinct colours giving the elevation of the terrain with respect to the aircraft.

• Also flying in Hilly terrain, during poor visibility and bad weather conditions as it provides guidance to the flight crew in avoiding obstacles by displaying the terrain in the flight path.

These warnings assist the flight crew and provide additional time to take action to avoid `Controlled Flight Into Terrain' (CFIT) type of accidents, which result into maximum number of fatalities.

(d) and (e): Airbus A-320 type of aircraft is not operated by private airlines. However, in accordance with the CAR all turbine engined aeroplanes having a maximum certified takeoff mass in excess of 15,000 kgs. or Type certified to carry more than 30 passengers are required to be equipped with EGPWS before 1st January, 2003.